

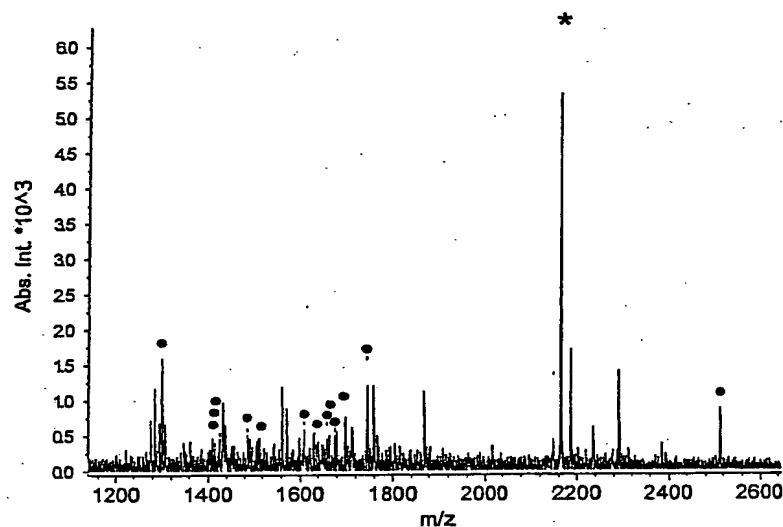


REPLACEMENT SHEET

13/25

Martinez et al. Figure 13 A

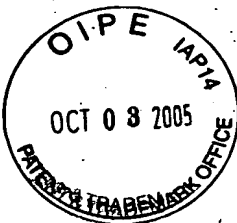
A



eukaryotic translation initiation factor 2C2

Observed	Mr(expt)	Mr(calc)	Delta	Position	Miss	Peptide	
1299.67	1298.67	1298.73	-0.07	413 - 424	0	VLQPPSILYGGR	[SEQ ID NO: 42]
1402.64	1401.64	1401.74	-0.10	637 - 648	0	QEIIQDLAAMVR Oxidation(M)	[SEQ ID NO: 43]
1413.62	1412.61	1412.73	-0.12	169 - 180	1	HLPSMRYTPVGR	[SEQ ID NO: 44]
1423.60	1422.59	1422.71	-0.12	356 - 367	1	KLTDNQTSTMIR Oxidation(M)	[SEQ ID NO: 45]
1486.56	1485.56	1485.66	-0.10	495 - 507	0	YAQGADSVPEMER Oxidation(M)	[SEQ ID NO: 46]
1513.71	1512.70	1512.80	-0.10	112 - 125	1	DKVELEVLPGEGK	[SEQ ID NO: 47]
1608.67	1607.66	1607.69	-0.03	481 - 494	0	DAGMPIQGQPCFCK	[SEQ ID NO: 48]
1635.84	1634.83	1634.85	-0.02	85 - 98	1	TQIFGDRKPVFDGR	[SEQ ID NO: 49]
1658.85	1657.85	1657.84	0.01	368 - 382	2	ATARSAPDRQEEISK	[SEQ ID NO: 50]
1663.85	1662.85	1662.91	-0.06	698 - 711	1	DYQPGITFIVVQKR	[SEQ ID NO: 51]
1675.79	1674.78	1674.84	-0.06	372 - 385	2	SAPDRQEEISKLMR Oxidation(M)	[SEQ ID NO: 52]
1696.77	1695.76	1695.84	-0.08	323 - 336	0	YPHLPCLQVGQEQK	[SEQ ID NO: 53]
1743.75	1742.74	1742.77	-0.03	181 - 197	0	SFFTASEGCSNPLGGGR	[SEQ ID NO: 54]
2511.07	2510.06	2510.12	-0.05	816 - 838	1	YHLVDKEHDSAEGETSGQSNGR	[SEQ ID NO: 55]

BEST AVAILABLE COPY

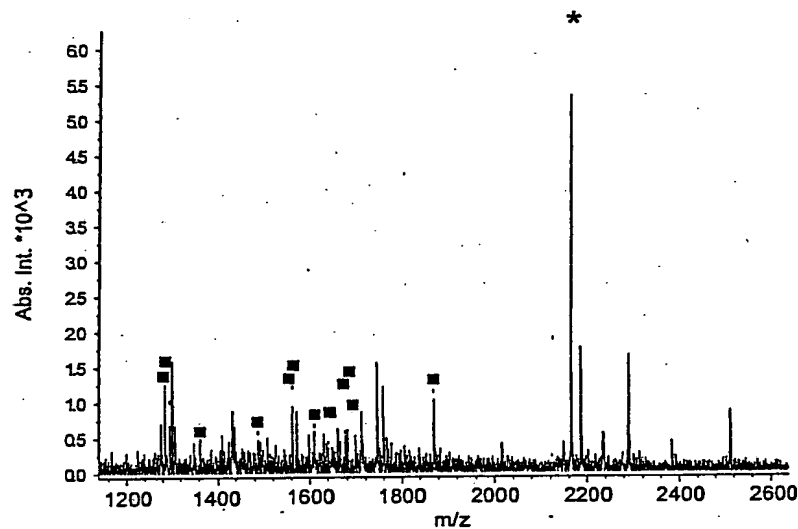


REPLACEMENT SHEET

14/25

Martinez et al. Figure 13 B

B



eukaryotic translation initiation factor 2C1

Observed	Mr (expt)	Mr (calc)	Delta	Position	Miss	Peptide	
1283.66	1282.65	1282.74	-0.09	410 - 421	0	VLPAPILQYGGR	[SEQ ID NO: 56]
1294.65	1293.64	1293.67	-0.03	794 - 805	0	SVSIPAPAYYAR	[SEQ ID NO: 57]
1361.61	1360.60	1360.70	-0.10	553 - 564	0	TSPQTLNLCCLK	[SEQ ID NO: 58]
1486.56	1485.56	1485.66	-0.10	492 - 504	0	YAQGADSVPEPMFR	[SEQ ID NO: 59]
1560.76	1559.75	1559.83	-0.08	97 - 110	0	NIYTVTALPIGNER	[SEQ ID NO: 60]
1561.76	1560.75	1560.78	-0.02	111 - 124	1	VDFEVTIPGEGKDR	[SEQ ID NO: 61]
1608.67	1607.66	1607.69	-0.03	478 - 491	0	DAGMPIQGQPCFCK	[SEQ ID NO: 62]
1640.74	1639.73	1639.82	-0.08	240 - 253	0	NIDEQPKPLTDSQR	[SEQ ID NO: 63]
1675.79	1674.78	1674.84	-0.06	369 - 382	2	SAPDRQEEISRLMK	[SEQ ID NO: 64]
1679.86	1678.85	1678.90	-0.05	695 - 708	1	DYQPGITYIVVQKR	[SEQ ID NO: 65]
1696.77	1695.76	1695.84	-0.08	320 - 333	0	YPHLPCLQVGQEQK	[SEQ ID NO: 66]
1867.85	1866.85	1866.87	-0.02	178 - 194	0	SFFSPPEGYYHPLGGGR	[SEQ ID NO: 67]



REPLACEMENT SHEET

25/25

Martinez et al. Figure 17

A

Gene name	1 st primer pair (5'-3')	2 nd primer pair (5'-3')	Expected length (bp)	
eIF2C1	GAGGTCTGTAACATTGTGGC*	GAGGTCTGTAACATTGTGGC*	287	[SEQ ID NO: 84]
	CGGTAGAAGATGATGCGGGT	AAGTTCTTGAGCACCTCTTCTCGA		[SEQ ID NO: 83]
	GAGGTCTGTAACATTGTGGC	CCACACCAGCGCTCTGCC	207	[SEQ ID NO: 86]
eIF2C2	CGGTAGAAGATGATGCGGGT	CTCAGCGACCATGTAGGA		[SEQ ID NO: 87]
	GAGGTCTGTAACATTGTGGC	ATCCTGCTGCCCCAAGGG	186	[SEQ ID NO: 90]
	CGGTAGAAGATGATGCGGGT	GATCTCCTGCCCGGTGCTG		[SEQ ID NO: 91]
eIF2C3	GAGGTCTGTAACATTGTGGC*	GAGGTCTGTAACATTGTGGC*	891	[SEQ ID NO: 94]
	CGGTAGAAGATGATGCGGGT	GATCTCCTGCCCGGTGCTG		[SEQ ID NO: 95]
	AGAGCAACAGTATGGTGGGTGGAC	CCTCTACAGTCAAGAGGT	334	[SEQ ID NO: 98]
eIF2C4	TGGATGTGTGATGGTACT*	TGGATGTGTGATGGTACT*		[SEQ ID NO: 99]
	CACCTGAATGAAGTCCCA	AGAGCAACAGTATGGTGGGTGGAC	808	[SEQ ID NO: 102]
	TCCGGATGACCTCTTGACTGTAG*	TCCGGATGACCTCTTGACTGTAG*		[SEQ ID NO: 103]
HILI	TCCGGCATCTCAAGAACACATATTCT	ATCCAGGACTTGGCCTCC	324	[SEQ ID NO: 106]
	GAACTCATATGGGTGTGTAATGTCTG*	GAACTCATATGGGTGTGTAATGTCTG*		[SEQ ID NO: 107]
	CAGCACAAATTATCCCTT*	CAGCACAAATTATCCCTT*	264	[SEQ ID NO: 110]
	CGGCCTGAAGGACTGAGACGTGT	GTGTGTGGGCTTCACTGA		[SEQ ID NO: 111]
	TCTCTGTCAAAGAACTGGCTTGTCTCT*	TCTCTGTCAAAGAACTGGCTTGTCTCT*	393	[SEQ ID NO: 114]
	CTGTACAGTCCGGTTCAT	CGGCCTGAAGGACTGAGACGTGT		[SEQ ID NO: 115]

* primers used in both reactions (semi-nested PCR)

B

Gene name	eIF2C1		eIF2C2		eIF2C3		eIF2C4	HILI	
Expected length (bp)	287	207	186	891	808	334	324	264	393
PCR products									